

Notice No.9

Rules and Regulations for the Classification of Ships, July 2021

The status of this Rule set is amended as shown and is now to be read in conjunction with this and prior Notices. Any corrigenda included in the Notice are effective immediately.

Please note that corrigenda amends to paragraphs, Tables and Figures are not shown in their entirety.

Issue date: June 2022

Amendments to	Effective date	IACS/IMO implementation (if applicable)
Part 3, Chapter 2, Section 2	Corrigendum	N/A
Part 3, Chapter 10, Section 2	Corrigendum	N/A
Part 3, Chapter 13, Sections 9 & 10	Corrigenda	N/A
Part 4, Chapter 2, Section 4	Corrigenda	N/A
Part 5, Chapter 12, Section 9	Corrigendum	N/A



Part 3, Chapter 2 Materials

■ Section 2 Fracture control

2.2 Refrigerated spaces

Table 2.2.1 Material classes and grades

Note 2. Single strakes required to be of Grade D/DH or Grade E/EH and within 0,4L amidships are to have breadths not less than $800 + 5L$ mm, but need not be greater than 1800 mm, unless limited by the geometry of the ship's design.

Part 3, Chapter 10 Welding and Structural Details

■ Section 2 Welding

2.9 Inspection of welds

2.9.9 Where checkpoints are found to contain continuous or semi-continuous defects, additional lengths of weld adjacent to and on both sides of the defective length are to be subject to further volumetric examination. For defective welds made using automatic or fully mechanised process, then additional NDE shall be extended to all areas of the same weld length. The NDE reports are to be submitted in accordance with [Pt 3, Ch 10, 2.9 Inspection of welds 2.9.7](#).

Part 3, Chapter 13 Ship Control Systems

■ Section 9 Structural requirements associated with towing and mooring

9.3 Mooring

9.3.12 The Safe Working Load (SWL) is the safe load limit of shipboard fittings used for mooring purposes. Unless a greater SWL is requested, the SWL assigned shall be the ship design minimum breaking load given in [Pt 3, Ch 13, 7.5 Mooring lines \(Equipment Number ≤ 2000\)](#) and [Pt 3, Ch 13, 7.6 Mooring lines \(Equipment Number > 2000\)](#), corresponding to the ship's equipment number (see Notes 2 and 3 of [Table 13.9.3 Minimum design load for deck fittings and supporting structure - Mooring](#)). ~~Design load on line Double bollard without fins Fitting on deck (e.g. bollard, chock) Main hull structure (e.g. web frames, deck stiffeners) Reinforcing members beneath shipboard fittings Double bollard with fins Fin~~

■ Section 10 Anchoring equipment in deep and unsheltered water

10.2 Anchor and chain cable

10.2.1 Anchors and chain cables to be in accordance with [Table 13.10.1 Anchoring equipment for ships in unsheltered water with depth up to 120 m](#) and based on the Equipment Number EN_1 obtained from the following equation:-

$$EN_1 = 0,628 \left[a \left(\frac{EN}{0,628} \right)^{1/2,3} + b(1 - a) \right]^{2,3}$$

where

$$a = 1,83 \times 10^{-9} \times L^3 + 2,09 \times 10^{-6} \times L^2 - 6,21 \times 10^{-4} \times L + 0,0866$$

$$b = 0,156 \times L + 8,372$$

L = Rule length, in metres, see [Pt 3, Ch 1, 6.1 Principal particulars 6.1.1](#)

EN = Equipment Number calculated in accordance with [Pt 3, Ch 1, 7.1 Calculation of Equipment Number](#)

Part 4, Chapter 2

Ferries Roll On-Roll Off Ships and Passenger Ships

■ Section 4

Shell envelope plating

4.3 Strengthening for wave impact loads

4.3.2 The thickness of the side shell plating is to be no less than:

$$t = 3,2 s_c \sqrt{k h_s C_R} \times 10^{-2} \text{ mm} \quad 3,2 s_c \sqrt{k h_s C_R} \times 10^{-2}$$

$$h_s = 0,1 P_{bf} \text{ m}$$

Part 5, Chapter 12

Piping Design Requirements

■ Section 9

Piping for LPG/LNG carriers, gas fuelled ships and classed refrigeration systems

9.4 Material

9.4.3 For stainless steel pipes, valve castings and forgings, a manufacturer's certificate is acceptable where the intended service temperature is not colder than minus 55°C and:

- $DN < 50$ or
- $DN \leq 150$ and $DN \times P < 2500$ 250

Where:

DN = nominal diameter, mm

P = design pressure, in MPa gauge

In all other cases, an LR materials certificate is required.

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